

1 Description

This will be your first server side script. The purpose of this assignment is to familiarize yourself with the Rails framework for developing web applications. You may need to understand the MVC (Model-View-Controller) concept to develop an application that separates concerns on the server just as you've been learning on the client. This is essential to the success of your final project.

Your job is to build the portion of your final project that receives input prior to the game. This will be done somewhat differently for each project group, but all groups will share some bits of common functionality (e.g., each project will require players be entered into the system, but the information about each player may differ).

The following actions need to be supported by your system:

- enter players
- enter teams
- enter game information
- enter any other information your project depends upon during the in-game interface to already be available

You should use the default SQLite database that is created by Rails for you. This will allow the database to be separately controlled for each user and not require coordination between team members. For each piece of information entered, you should document how the database stores that information and what constitutes valid or invalid data.

2 Grading

The assignment will count toward 15% of your assignment grade. It will be graded as follows:

100 points for entire site

20 points for player entry

5 points for supporting all CRUD operations

10 points for validating all fields

5 points for associating player with team properly

45 points for team entry

5 points for supporting all CRUD operations

10 points for validating all fields

5 points for associating team with player properly

5 points for associating teams with games properly

10 points for showing all players on team page

10 points for showing all games a team has played on team page

30 points for game entry

5 points for supporting all CRUD operations

10 points for validating all fields

5 points for associating games with teams properly

10 points for showing all teams involved in a game on game page

5 points for all other pages